CONCLUSION:

This Amendment does not increase the number of independent claims, does not increase the total number of claims, and does not present any multiple dependency claims. Accordingly, no fee based on the number or type of claims is currently due. However, if a fee, other than the issue fee, is due, please charge this fee to Sidley Austin Brown & Wood LLP's Deposit Account No. 18-1260.

Respectfully submitted,

By: _____

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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

The following is a marked-up version of the changes to the specification.

IN THE SPECIFICATION:

Delete paragraph **[0035]**, and replace with the following:

[0035] These and other objects, advantages and features of the invention will become apparent from the following description thereof taken in conjunction with the accompanying drawings in which:

FIG. 1 is a plan view of a microchip of a first embodiment of the present invention;

FIG. 2 is a cross section view cut along the line I-I of FIG. 1;

[FIG. 3] FIGS. 3(a) and 3(b) [is a] are cross section [view] views of the microchip of FIG. 1;

FIG. 4 is a waveform diagram of a voltage pulse;

FIG. 5 is a waveform diagram of a voltage pulse;

FIG. 6 is a plan view of a microchip of a modification;

FIG. 7 is a plan view of a microchip of another modification;

FIG. 8 is a plan view of a microchip having a two-reagent system;

FIG. 9 is a plan view of a microchip including a buffer solution;

FIG. 10 is a plan view of a microchip having a solid reagent;

FIG. 11 illustrates an example of conventional examination;

FIG. 12 illustrates another example of conventional examination;

FIG. 13 is a graph of drive voltages; and

FIG. 14 is a graph of the intensity of scattered light.

Delete paragraph **[0044]**, and replace with the following:

[0044] [FIG. 3] FIGS. 3(a) and 3(b) [is a] are cross section [view] views of the micro pump 30. The micro pump 30 is a diffuser-type pump having PZT adhered to an oscillating plate, so as to transport the fluid by unimorph drive.

Delete paragraph **[0047]**, and replace with the following:

[0047] For example, when a drive voltage having the advancing waveform 70 shown in FIG. 4 is applied to the PZT 38, the volume of the pump chamber 32 is rapidly reduced by the rapid change in voltage shown at 70a. At this time, the liquid is discharged from the front diffuser 36 as indicated by the arrow 70s in [FIG. 3] FIGS. 3(a) and 3(b). Then, the volume of the pump chamber 32 slowly returns to the original volume via the moderate change of voltage indicated at 70b in FIG. 4. At this time, liquid is suctioned into the pump chamber 32 from the back diffuser 34, as indicated at 70t in [FIG. 3] FIGS. 3(a) and 3(b). Liquid is fed forward by repeating this action. In [practical] practice, the drive voltage having the waveform 70 is repeatedly applied to the PZT 38 so that the micro pump 30 causes the liquid flowing in an intended direction.

Delete paragraph **[0048]**, and replace with the following:

[0048] On the other hand, when a drive voltage having the retreating waveform 72 shown in FIG. 5 is applied to the PZT 38, the volume of the pump chamber 32 is moderately reduced by the moderate change in voltage shown at 72a. At this time, the liquid of the pump chamber 32 is discharged from the back diffuser 34 as indicated by the arrow 72s in [FIG. 3] FIGS. 3(a) and 3(b). Then, the volume of the pump chamber 32 rapidly returns to the original volume via the rapid change of voltage indicated at 72b in FIG. 5. At this time, liquid is suctioned from the front diffuser 36, as indicated at 72t in [FIG. 3] FIGS. 3(a) and 3(b). Liquid is fed backward by repeating this action. In [practical] practice, the drive voltage having the waveform 70 is repeatedly applied to the PZT 38 so that the micro pump 30 causes the liquid flowing in an intended direction.